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## In the Claims

1. (Currently Amended): A method to inhibit p38α activity, which method comprises contacting said p38α with a compound of the formula:

$$Z_{|}^{6}$$

$$Z_{|}^{7}$$

$$Z_{|}^{8}$$

$$Z_{|}^{8}$$

$$Z_{|}^{8}$$

$$Z_{|}^{8}$$

$$Z_{|}^{3}$$

$$R^{3}$$

$$(1)$$

or the pharmaceutically acceptable salts thereof

wherein R<sup>3</sup> comprises a substituted or unsubstituted aromatic moiety, wherein said aromatic moiety is a monocyclic or fused bicyclic moiety containing 5-12 ring member atoms, optionally comprising one or more heteroatoms selected from O, S and N;

wherein  $Z^3$  is N,  $Z^5$  is CH, and  $Z^6$  and  $Z^7$  are  $CR^2$  and each remaining Z is  $CR^2$  or N, wherein no more than two Z positions in ring A are N, and wherein two adjacent Z positions in ring A cannot be N;

# $Z^8$ is CH or N;

each R<sup>2</sup> is either

(i) independently selected from the group consisting of H, alkyl, alkenyl, alkynyl, acyl, wherein each of alkyl, alkenyl, alkynyl and acyl may optionally contain 1-2 O, S or N, aryl, and arylalkyl, each of said aryl and arylalkyl optionally containing 1 or more O, S or N and wherein in each of the foregoing other than H may be unsubstituted or substituted with 1-3 substituents selected independently from the group consisting of alkyl, alkenyl, alkynyl, aryl, alkylaryl, aroyl, N-aryl, NH-alkylaryl, NH-aroyl, halo, OR, NR<sub>2</sub>, SR, -SOR, -SO<sub>2</sub>R, -OCOR, -NRCOR, -NRCONR<sub>2</sub>, -NRCOOR, -NRSOR, -NRSO<sub>2</sub>R, -OCONR<sub>2</sub>, RCO, -COOR, -SO<sub>3</sub>R, -CONR<sub>2</sub>, SO<sub>2</sub>NR<sub>2</sub>, CN, CF<sub>3</sub>, and NO<sub>2</sub>, wherein each R is independently H or alkyl (1-4C), and wherein any aryl or aroyl groups on said substituents may be further substituted by alkyl, alkenyl, alkynyl, halo, OR, NR<sub>2</sub>, SR, -SOR, -SO<sub>2</sub>R, -OCOR, -NRCOR, -NRCONR<sub>2</sub>, -NRCOOR, -NRSO<sub>2</sub>R, -OCONR<sub>2</sub>, RCO, -COOR, -SO<sub>3</sub>R, -CONR<sub>2</sub>, SO<sub>2</sub>NR<sub>2</sub>, CN, CF<sub>3</sub>, and NO<sub>2</sub>, wherein each R is independently H or alkyl (1-4C), or

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(ii) independently selected from the group consisting of halo, OR, NR<sub>2</sub>, SR, -SOR, -SO<sub>2</sub>R, -OCOR, -NRCOR, -NRCONR<sub>2</sub>, -NRCOOR, NRSOR, NRSO<sub>2</sub>R, -OCONR<sub>2</sub>, RCO, -COOR, -SO<sub>3</sub>R, NRSOR, NRSO<sub>2</sub>R, -CONR<sub>2</sub>, SO<sub>2</sub>NR<sub>2</sub>, CN, CF<sub>3</sub>, and NO<sub>2</sub>, wherein each R is independently H or alkyl (1-4C);

wherein L is R<sup>1</sup>N(CH<sub>2</sub>)<sub>n</sub> wherein R<sup>1</sup> is H, alkyl (1-6C) or arylalkyl optionally substituted on the aryl moiety with 1-3 substituents independently selected from the group consisting of alkyl (1-6C), halo, OR, NR<sub>2</sub>, SR, -OOCR, -NROCR, RCO, -COOR, -CONR<sub>2</sub>, SO<sub>2</sub>NR<sub>2</sub>, CN, CF<sub>3</sub>, and NO<sub>2</sub>, wherein each R is independently H or alkyl (1-4C); a divalent moiety that provides a distance of 2.8Å between ring B and Ar';

n is 0 or 1; and

(a) Ar' is phenyl, substituted with at least one group selected from the group consisting of optionally substituted alkyl (1-6C), halo, OR, NR<sub>2</sub>, SR, -OOCR, -NROCR, RCO, -COOR, -CONR<sub>2</sub>, SO<sub>2</sub>NR<sub>2</sub>, CN, CF<sub>3</sub>, and NO<sub>2</sub>, wherein each R is independently H or lower alkyl (1-4C), or pyridyl, indolyl, or pyrimidyl, each optionally substituted with at least one group selected from the group consisting of optionally substituted alkyl (1-6C), halo, OR, NR<sub>2</sub>, SR, -OOCR, -NROCR, RCO, -COOR, -CONR<sub>2</sub>, SO<sub>2</sub>NR<sub>2</sub>, CN, CF<sub>3</sub>, and NO<sub>2</sub>, wherein each R is independently H or lower alkyl (1-4C); and

R<sup>3</sup> is phenyl optionally substituted with 1-3 substituents which substituents are selected from the group consisting of alkyl (1-6C), halo, OR, NR<sub>2</sub>, SR, -OOCR, -NROCR, RCO, -COOR, -CONR<sub>2</sub>, -SO<sub>2</sub>NR<sub>2</sub>, CN, CF<sub>3</sub>, and NO<sub>2</sub>, wherein each R is independently H or lower alkyl (1-4C); or

(b) Ar' is phenyl, pyridyl, indolyl, or pyrimidyl, each optionally substituted with a group selected from the group consisting of optionally substituted alkyl (1-6C), halo, OR, NR<sub>2</sub>, SR, -OOCR, -NROCR, RCO, -COOR, -CONR<sub>2</sub>, SO<sub>2</sub>NR<sub>2</sub>, CN, CF<sub>3</sub>, and NO<sub>2</sub>, wherein each R is independently H or lower alkyl (1-4C); and

R<sup>3</sup> is phenyl substituted with 1-3 substituents which substituents are selected from the group consisting of alkyl (1-6C), halo, SR, -OOCR, -NROCR, RCO, -COOR, -CONR<sub>2</sub>, -SO<sub>2</sub>NR<sub>2</sub>, CN, and CF<sub>3</sub>, wherein each R is independently H or lower alkyl (1-4C); or

(c) Ar' is phenyl substituted with a group selected from the group consisting of optionally substituted NR<sub>2</sub>, SR, -NROCR, RCO, -CONR<sub>2</sub>, SO<sub>2</sub>NR<sub>2</sub>, CN, and CF<sub>3</sub>, wherein each R is independently H or lower alkyl (1-4C); or pyridyl substituted with a group selected from the group

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consisting of optionally substituted alkyl (1-6C), halo, OR, NR<sub>2</sub>, SR, -OOCR, -NROCR, RCO, -COOR, -CONR<sub>2</sub>, SO<sub>2</sub>NR<sub>2</sub>, CN, CF<sub>3</sub>, and NO<sub>2</sub>, wherein each R is independently H or lower alkyl (1-4C); or indolyl or pyrimidyl, each optionally substituted with a group selected from the group consisting of optionally substituted alkyl (1-6C), halo, OR, NR<sub>2</sub>, SR, -OOCR, -NROCR, RCO, -COOR, -CONR<sub>2</sub>, SO<sub>2</sub>NR<sub>2</sub>, CN, CF<sub>3</sub>, and NO<sub>2</sub>, wherein each R is independently H or lower alkyl (1-4C); and

R<sup>3</sup> is phenyl optionally substituted with 1-3 substituents which substituents are selected from the group consisting of alkyl (1-6C), halo, OR, NR<sub>2</sub>, SR, -OOCR, -NROCR, RCO, -COOR, -CONR<sub>2</sub>, -SO<sub>2</sub>NR<sub>2</sub>, CN, CF<sub>3</sub>, and NO<sub>2</sub>, wherein each R is independently H or lower alkyl (1-4C); or

(d) Ar' is phenyl, pyridyl, indolyl, or pyrimidyl, each optionally substituted with a group selected from the group consisting of optionally substituted alkyl (1-6C), halo, OR, NR<sub>2</sub>, SR, -OOCR, -NROCR, RCO, -COOR, -CONR<sub>2</sub>, SO<sub>2</sub>NR<sub>2</sub>, CN, CF<sub>3</sub>, and NO<sub>2</sub>, wherein each R is independently H or lower alkyl (1-4C); and

R<sup>3</sup> is phenyl substituted with 1-3 substituents which substituents are selected from the group consisting of alkyl (1-6C), halo, OR, SR, -OOCR, -NROCR, RCO, -COOR, -CONR<sub>2</sub>, -SO<sub>2</sub>NR<sub>2</sub>, CN, CF<sub>3</sub>, and NO<sub>2</sub>, wherein each R is independently H or lower alkyl (1-4C).

Ar' is a cyclic hydrocarbyl aliphatic, cyclic hydrocarbyl aliphatic containing one or more heteroatoms or a monocyclic or polycyclic aromatic moiety any of the foregoing optionally substituted with 1-3 substituents, wherein two of said substituents may form a 5-7 member cyclic optionally heterocyclic aliphatic ring and wherein Ar' and any said substituents thereon forming a cyclic aliphatic ring, may optionally contain one or more ring atoms selected from O, S and N, wherein said compound inhibits p38a activity.

## 2-7. (canceled)

8. (previously presented): The method of claim 1 wherein any substituents on the aromatic or heteroaromatic moiety of R<sup>3</sup> are independently selected from the group consisting of halo, OR, NR<sub>2</sub>, SR, -SOR, -SO<sub>2</sub>R, -OCOR, -NRCOR, -NRCONR<sub>2</sub>, -NRCOOR, -NRSOR,

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-NRSO<sub>2</sub>R, -OCONR<sub>2</sub>, RCO, -COOR, -SO<sub>3</sub>R, -CONR<sub>2</sub>, SO<sub>2</sub>NR<sub>2</sub>, CN, CF<sub>3</sub>, and NO<sub>2</sub>, wherein each R is independently H or alkyl (1-4C) and alkyl (1-6C).

9. (original): The method of claim 1 wherein said substituents on substituted Ar' are independently selected from the group consisting of optionally substituted alkyl, alkenyl, alkynyl, aryl, alkylaryl, aroyl, N-aryl, NH-alkylaryl, NH-aroyl, halo, OR, NR<sub>2</sub>, SR, -SOR, -SO<sub>2</sub>R, -OCOR, -NRCOR, -NRCONR<sub>2</sub>, -NRCOOR, -NRSOR, -NRSO<sub>2</sub>R, -OCONR<sub>2</sub>, RCO, -COOR, -SO<sub>3</sub>R, -CONR<sub>2</sub>, SO<sub>2</sub>NR<sub>2</sub>, CN, CF<sub>3</sub>, and NO<sub>2</sub>, wherein each R is independently H or alkyl (1-4C),

and wherein any aryl or aroyl groups on said substituents may be further substituted by alkyl, alkenyl, alkynyl, halo, OR, NR<sub>2</sub>, SR, -SOR, -SO<sub>2</sub>R, -OCOR, -NRCOR, -NRCONR<sub>2</sub>, -NRCOOR, -NRSOR, -NRSO<sub>2</sub>R, -OCONR<sub>2</sub>, RCO, -COOR, -SO<sub>3</sub>R, -CONR<sub>2</sub>, SO<sub>2</sub>NR<sub>2</sub>, CN, CF<sub>3</sub>, and NO<sub>2</sub>, wherein each R is independently H or alkyl (1-4C).

10. (previously presented): The method of claim 9 wherein Ar' is phenyl, 2-, 3-, or 4-pyridyl, 2- or 4-pyrimidyl, indolyl, isoquinolyl, quinolyl, benzimidazolyl, benzotriazolyl, benzotriazolyl, benzotriazolyl, thienyl, furyl, pyrrolyl, thiazolyl, oxazolyl, or imidazolyl, all of which may optionally be substituted.

#### 11-12. (canceled)

13. (previously amended): The method of claim 1 wherein said optional substituents on R<sup>2</sup> are independently selected from the group consisting of R<sup>4</sup>, halo, OR<sup>4</sup>, NR<sup>4</sup><sub>2</sub>, SR<sup>4</sup>, -OOCR<sup>4</sup>, -NROCR<sup>4</sup>, -COOR<sup>4</sup>, R<sup>4</sup>CO, -CONR<sup>4</sup><sub>2</sub>, -SO<sub>2</sub>NR<sup>4</sup><sub>2</sub>, CN, CF<sub>3</sub>, and NO<sub>2</sub>, wherein each R<sup>4</sup> is independently H, or optionally substituted alkyl (1-6C), or optionally substituted arylalkyl (7-12C) and wherein two R<sup>4</sup> or two substituents on said alkyl or arylalkyl taken together may form a fused aliphatic ring of 5-7 members.

### 14-15. (canceled)

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16. (currently amended): The method of claim 1 wherein the compound of formula (1) is selected from group consisting of

(a) the compounds listed in Table 2 below, wherein  $Z^5$  are CH;  $Z^3$  is N;  $R^1$  in compound No. 11 is 2-propyl;  $R^1$  in compound No. 12 is 4-methoxyphenyl, and  $R^1$  in compound No. 41 is 4-methoxybenzyl; and wherein L, Ar' and  $R^3$  are as shown in Table 2:

	Table 2						
Compound No.	L	Ar'	R <sup>3</sup>				
1	NH	4-pyridyl	2-chlorophenyl				
2	NH	4-pyridyl	2,6-dichlorophenyl				
3	NH	4-pyridyl	2-methylphenyl				
4	NH	4-pyridyl	2-bromophenyl				
5	NH	4-pyridyl	2-fluorophenyl				
6	NH	4-pyridyl	2,6-difluorophenyl				
7	NH	4-pyridyl	phenyl				
8	NH	4-pyridyl	4-fluorophenyl				
9	NH	4-pyridyl	4-methoxyphenyl				
10	NH	4-pyridyl	3-fluorophenyl				
11	NR <sup>1</sup>	4-pyridyl	phenyl				
12	NR <sup>1</sup>	4-pyridyl	phenyl				
13	NHCH <sub>2</sub>	4-pyridyl	phenyl				
14	NHCH <sub>2</sub>	4-pyridyl	4-chlorophenyl				
15	NH	3-pyridyl	phenyl				
16	NHCH <sub>2</sub>	2-pyridyl	phenyl				
17	NHCH <sub>2</sub>	3-pyridyl	phenyl				
18	NHCH <sub>2</sub>	2-pyridyl	phenyl				
19	NHCH <sub>2</sub> CH <sub>2</sub>	2-pyridyl	phenyl				
20	NH	6-pyrimidinyl	phenyl				
21	NH	2-pyrimidinyl	phenyl				
22	NH	Phenyl	phenyl				
23	NHCH <sub>2</sub>	Phenyl	3-chlorophenyl				
24	NH	3-hydroxyphenyl	phenyl				
25	. NH	2-hydroxyphenyl	phenyl				
26	NH	4-hydroxyphenyl	phenyl				
27	NH	4-indolyl	phenyl				
28	NH	5-indolyl	phenyl				
29	NH	4-methoxyphenyl	phenyl				

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Table 2							
Compound							
No.	L	Ar'	R <sup>3</sup>				
30	NH	3-methoxyphenyl	phenyl				
31	NH	2-methoxyphenyl	phenyl				
32	NH	4-(2-hydroxyethyl)phenyl	phenyl				
33	NH	3-cyanophenyl	phenyl				
34	NHCH <sub>2</sub>	2,5-difluorophenyl	phenyl				
35	NH	4-(2-butyl)phenyl	phenyl				
36	NHCH <sub>2</sub>	4-dimethylaminophenyl	phenyl				
38	NH	2-pyridyl	phenyl				
39	NHCH <sub>2</sub>	3-pyridyl	phenyl				
40	NH	4-pyrimidyl	phenyl				
41	NR <sup>1</sup>	4-pyridyl	phenyl				
42	NH	p-aminomethylphenyl	phenyl				
43	NHCH <sub>2</sub>	4-aminophenyl	phenyl				
44	NH	4-pyridyl	3-chlorophenyl				
, 45	NH	Phenyl	4-pyridyl				
46	NH	→ NH	phenyl				
48	NH	2-benzylamino-3-pyridyl	phenyl				
49	NH	2-benzylamino-4-pyridyl	phenyl				
50	NH	3-benzyloxyphenyl	phenyl				
51	NH	4-pyridyl	3-aminophenyl				
52	NH	4-pyridyl	4-pyridyl				
53	NH	4-pyridyl	2-naphthyl				
54		4-pyridyl	phenyl				
55		Phenyl	phenyl				
<del>56</del>	<del></del>	2 pyridyl	<del>phenyl</del>				
61	NH	4-pyridyl	2-trifluoromethyl phenyl				
62	NH	4-aminophenyl	phenyl				
64	NH	3-methoxyphenyl	2-fluorophenyl				
65	NH	4-methoxyphenyl	2-fluorophenyl				
66	NH	4-pyrimidinyl	2-fluorophenyl				

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Table 2						
Compound No.	L	Ar'	R <sup>3</sup>			
67	NH	3-amino-4-pyridyl	phenyl			
68	NH	4-pyridyl	2-benzylaminophenyl			
69	NH	2-benzylaminophenyl	phenyl			
70	NH	2-benzylaminophenyl	4-cyanophenyl			
71	NH	3'-cyano-2- benzylaminophenyl	phenyl			

(b) the compounds listed in Table 3, below, wherein L is NH;  $Z^3$  is N;  $Z^6$  and  $Z^7$  are CH and  $Z^5$ ,  $Z^8$ , Ar and  $R^3$  are as shown in Table 3:

Table 3						
Compound No.	<b>Z</b> <sup>5</sup>	<b>Z</b> <sup>8</sup>	Ar'	R <sup>3</sup>		
72	CH	N	4-pyridyl	2-fluorophenyl		
73	CH	N	4-pyridyl	2-chlorophenyl		
74	CH	N	4-pyridyl	phenyl		
75	N	N	4-pyridyl	phenyl		
76	N	CH	4-pyridyl	phenyl		

and

(c) the quinazoline derivatives listed in Table 4 below, wherein L is NH; Ar' is 4-pyridyl;  $Z^3$ , [[ $Z^5$ ,]] and  $Z^8$  are N;  $Z^5$  is CH,  $Z^6$  or  $Z^7$  are CR<sup>2</sup> as shown and each is otherwise N and wherein R<sup>3</sup> and R<sup>2</sup> are as shown in Table 4:

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Table 4 Compound  $\mathbb{R}^3$  $\mathbb{R}^2$ No. 77 2-chlorophenyl 6,7-dimethoxy 78 2-fluorophenyl 6-nitro 2-fluorophenyl 6-amino 79 2-fluorophenyl 7-amino 80 6-(3-methoxybenzylamino) 81 2-fluorophenyl 6-(4-methoxybenzylamino) 82 2-fluorophenyl 6-(2-isobutylamino) 83 2-fluorophenyl 2-fluorophenyl 6-(4-methylmercaptobenzylamino) 84

6-(4-methoxybenzoyl amino)

7-(3-methoxybenzylamino)

17. (previously presented): The method of claim 1 wherein the compound of formula (1) is selected from the group consisting of the following compounds:

7-amino

2-fluorophenyl

4-fluorophenyl

4-fluorophenyl

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12

13

14

15

$$H_{2}$$
  $H_{2}$   $H_{3}$   $H_{3$ 

16

17

18

19

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21

22

23

24

25

26

$$H_2N$$
 $H_2N$ 
 $H_2N$ 
 $H_2N$ 
 $H_2N$ 
 $H_2N$ 
 $H_3C$ 

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18-23. (canceled)

- 24. (previously presented): The method of claim 1 wherein the compound of formula 1 is selected from the group consisting of
  - 2-phenyl-4-(4-pyridylamino)-quinazoline;
  - 2-(2-bromophenyl)-4-(4-pyridylamino)-quinazoline;
  - 2-(2-chlorophenyl)-4-(4-pyridylamino)-quinazoline;
  - 2-(2-fluorophenyl)-4-(4-pyridylamino)-quinazoline;
  - 2-(2-methylphenyl)-4-(4-pyridylamino)-quinazoline;
  - 2-(4-fluorophenyl)-4-(4-pyridylamino)-quinazoline;
  - 2-(3-methoxyanilyl)-4-(4-pyridylamino)-quinazoline;
  - 2-(2,6-dichlorophenyl)-4-(4-pyridylamino)-quinazoline;
  - 2-(2,6-dibromophenyl)-4-(4-pyridylamino)-quinazoline;
  - 2-(2,6-difluorophenyl)-4-(4-pyridylamino)-quinazoline;
  - 2-(2-fluorophenyl)-4-(4-pyridylamino)-6, 7-dimethoxyquinazoline;
  - 2-(4-fluorophenyl)-4-(4-pyridylamino)-6, 7-dimethoxyquinazoline;
  - 2-(2-fluorophenyl)-4-(4-pyridylamino)-6-nitroquinazoline;
  - 2-(2-fluorophenyl)-4-(4-pyridylamino -6-aminoquinazoline;
  - 2-(2-fluorophenyl)-4-(4-pyridylamino)-7-aminoquinazoline;
  - 2-(2-fluorophenyl)-4-(4-pyridylamino)-6-(3-methoxybenzylamino)-quinazoline;
  - 2-(2-fluorophenyl)-4-(4-pyridylamino)-6-(4-methoxybenzylamino)-quinazoline;
  - 2-(2-fluorophenyl)-4-(4-pyridylamino)-6-(2-isobutylamino)-quinazoline; and
  - 2-(2-fluorophenyl)-4-(4-pyridylamino)-6-(4-methylmercaptobenzylamino)-quinazoline.
  - 25-33. (canceled)
- 34. (previously presented): A method to inhibit p38α activity, which method comprises contacting said p38α with a compound selected from the group consisting of

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, and